

Patent claims

1. A mousse-type or foamable aqueous or alcoholic/aqueous styling agent comprising propellant, one or more pregelatinized, crosslinked starch derivatives and anionic polymers.
2. The use of one or more pregelatinized, crosslinked starch derivatives for improving the distributability of propellant-containing mousse-type or foamable aqueous or alcoholic/aqueous styling agents comprising anionic polymers.
3. The preparation or the use as claimed in either of the preceding claims, characterized in that the pregelatinized, crosslinked starch derivatives used are hydroxypropylated phosphate esters.
4. The preparation or the use as claimed in any of the preceding claims, characterized in that the pregelatinized, crosslinked starch derivative used is hydroxypropyl distarch phosphate (CAS Number 113894-92-1).
5. The styling agent or the use as claimed in any of the preceding claims, characterized in that the anionic polymer used in the case of hydrous preparations is at least one substance chosen from the group consisting of vinyl acetate/crotonic acid, vinyl acetate/acrylate and/or vinyl acetate/vinyl neodecanoate/crotonic acid copolymers, sodium acrylate/vinyl alcohol copolymers, sodium polystyrenesulfonate, ethyl acrylate/N-tert-butylacrylamide/acrylic acid copolymers, vinylpyrrolidone/vinyl acetate/itaconic acid copolymers, acrylic acid/acrylamide copolymers and/or sodium salts thereof, homo- and/or copolymers of acrylic acid and/or methacrylic acid and/or salts thereof, and acrylate/hydroxyacrylate, octylacrylamide/acrylate or methacrylate and/or butyl acrylate/N-vinylpyrrolidone copolymers, methyl vinyl ether/maleic acid copolymers which are produced by hydrolysis of vinyl ether/maleic anhydride copolymers, and their ethyl, isopropyl or butyl partial or complete esters.

6. The styling agent or the use as claimed in any of the preceding claims, characterized in that the content of pregelatinized, crosslinked starch derivatives is 0.01 to 2% by weight, particularly preferably 0.1 to 0.5% by weight.
- 5 7. The styling agent or the use as claimed in any of the preceding claims, characterized in that the weight ratio of solid to pregelatinized, crosslinked starch derivatives is 10:1 to 1:80, particularly preferably 1:4 to 1:80.
- 10 8. The styling agent or the use as claimed in any of the preceding claims, characterized in that cationic polymers are additionally present besides anionic polymers.
- 15 9. The styling agent or the use as claimed in claim 6, characterized in that cationic polymers chosen from the group consisting of vinylpyrrolidone/vinyl-imidazolium methochloride copolymers, quaternized vinylpyrrolidone/dialkylamino-alkyl methacrylate copolymers, cationic cellulose derivatives, preferably hydroxy-ethylcellulose/dimethylalkylammonium chloride copolymers, terpolymers of vinyl-caprolactam/vinylpyrrolidone with dimethylaminoethyl methacrylate or vinyl-imidazolinium methochloride and acrylamido copolymers are present.
- 20 10. The styling agent or the use as claimed in any of claims 1 to 5, characterized in that nonionic polymers are additionally present besides anionic polymers.
- 25 11. The styling agent or the use as claimed in claim 8, characterized in that nonionic polymers chosen from the group consisting of vinylpyrrolidone homo- or copolymers, preferably polyvinylpyrrolidone, copolymers of N-vinylpyrrolidone and vinyl acetate and/or vinyl propionate, polyvinylcaprolactam, polyvinylamides and salts thereof, and copolymers of vinylpyrrolidone and dimethylaminoethyl methacrylate, terpolymers of vinylcaprolactam, vinylpyrrolidone and 30 dimethylaminoethyl methacrylate and polysiloxanes are present.